



JC07 Rec'd PCT/PTO 18 APR 2005
1204.44657X00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Y. SHIMADA, et al.
Serial No.: 10/521,470 ✓
Filed: January 18, 2005
Title: MULTILAYER WIRING BOARD, MANUFACTURING METHOD
THEREOF, SEMICONDUCTOR DEVICE, AND WIRELESS
ELECTRONIC DEVICE
Examiner: Unassigned
Group Art Unit: 2812
Confirmation No.: 2249

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 AND 1.98

Mail Stop:
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

April 18, 2005

SIR:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of documents to be considered by the Examiner during examination of the above-identified application. Also enclosed is a Form PTO/SB/08A and B, listing the enclosed documents.

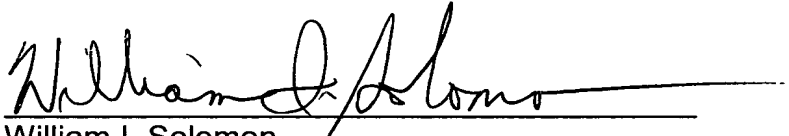
This Information Disclosure Statement is being submitted prior to a first Office Action on the merits in the above-identified application, and, moreover, within three (3) months of the filing thereof. Clearly, the requirements of 37 CFR 1.97(b) are satisfied.

Of the enclosed documents, please note that the enclosed article from the Journal of Materials Science: Materials in Electronics 11 (2000), pages 253-268, is discussed in the paragraph bridging pages 2 and 3 of Applicants' specification.

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon examination of the above-identified application, is respectfully requested.

Applicants request any shortage or excess in fees in connection with the filing of this paper, including extension of time fees, and for which no other form of payment is offered, be charged or credited to Deposit Account No. 01-2135 (case No. 1204.44657X00).

Respectfully submitted,
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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> April 18, 2005		Application Number	10/521,470		
		Filing Date	01/18/2005		
		First Named Inventor	Y. SHIMADA		
		Art Unit	2812		
		Examiner Name	Unassigned		
Sheet	1	of	2	Attorney Docket Number	1204.44657X00

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US- 5,079,069		01/1992	James R. Howard, et al.	
		US- 5,155,655		10/1992	James R. Howard, et al.	
		US- 5,161,086		11/1992	James R. Howard, et al.	
		US- 4,775,573		10/1988	Joseph A. Turek	
		US- 5,010,641		04/1991	John R. Sisler	
		US- 5,800,575		09/1998	Gregory L. Lucas	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT April 18, 2005 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/521,470
				Filing Date	01/18/2005
				First Named Inventor	Y. SHIMADA, et al.
				Group Art Unit	2812
				Examiner Name	Unassigned
				Attorney Docket Number	1204.44657X00
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		S. K. Bhattacharya, et al., "Next generation integral passives: materials, processes, and integration of resistors and capacitors on PWB substrates", <i>Journal of Materials Science: Materials in Electronics</i> , Vol. 11, pp. 253-268, 2000.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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